Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/30/2019 09:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124633	-1	1.07	124668	1.08
Blue	F	SSC	125000	124828	-1	1.60	125595	1.53
Blue	E	FITC	16694	16396	-2	2.61	355	19.64
Blue	D	PE	32792	32209	-2	1.75	702	14.12
Blue	B	PerCP-Cy5-5	44451	44059	-1	3.51	1187	19.55
Blue	A	PE-Cy7	33645	33238	-2	5.95	634	39.95
Red	C	APC	47008	46515	-2	2.35	1645	11.65
Red	A	APC-Cy7	32298	31392	-3	2.31	830	11.75
Violet	B	V450	8961	8518	-5	5.17	569	12.75
Violet	A	V500	32726	32133	-2	4.94	765	10.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21327	3.04	604	-9	N/A	N/A	Pass
Blue	F	SSC	56763	1.11	545	-23	N/A	N/A	Pass
Blue	E	FITC	65	62.06	541	-22	0.0212	94	Pass
Blue	D	PE	145	49.42	548	-18	0.1918	330	Pass
Blue	B	PerCP-Cy5-5	218	48.39	644	-27	0.0104	62	Pass
Blue	A	PE-Cy7	118	96.94	695	-31	0.0119	7	Pass
Red	C	APC	392	24.41	586	-27	0.0287	141	Pass
Red	A	APC-Cy7	184	27.92	560	-25	0.0063	745	Pass
Violet	B	V450	128	36.78	471	-15	0.0418	1597	Pass
Violet	A	V500	123	28.70	482	-14	0.0251	451	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.02	-31.65	1.00
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.52
Red	16.58	13.60 - 20.40	N/A	N/A	29.34	29.71	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9854

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments